

RAW SEQUENCE LISTING

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Application Serial Number: 09/787,016B
Source: IFW16
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IFW16

RAW SEQUENCE LISTING

DATE: 05/06/2005

PATENT APPLICATION: US/09/787,016B

TIME: 13:36:59

Input Set : A:\Sequence.txt

Output Set: N:\CRF4\05052005\I787016B.raw

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3 <110> APPLICANT: Alonso, Carlos M.
4     Domingo, David G.
5     Grandien, Alf
6     Leonardo, Esther
7     Martinez, Pedro
9 <120> TITLE OF INVENTION: Genes Encoding for the Human and Murine Death
10    Inducer-Obliterator-1
12 <130> FILE REFERENCE: 46309-253995
14 <140> CURRENT APPLICATION NUMBER: US 09/787,016B
15 <141> CURRENT FILING DATE: 2001-08-30
17 <150> PRIOR APPLICATION NUMBER: PCT/GB99/03019
18 <151> PRIOR FILING DATE: 1999-09-10
20 <150> PRIOR APPLICATION NUMBER: SE 9803069.5
21 <151> PRIOR FILING DATE: 1998-09-10
23 <150> PRIOR APPLICATION NUMBER: US 60/100,873
24 <151> PRIOR FILING DATE: 1998-09-17
26 <160> NUMBER OF SEQ ID NOS: 6
28 <170> SOFTWARE: PatentIn version 3.3
30 <210> SEQ ID NO: 1
31 <211> LENGTH: 2610
32 <212> TYPE: DNA
33 <213> ORGANISM: Homo sapiens
35 <400> SEQUENCE: 1
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40 cctgttactc gtgaacagtg gctgacaaca gtgttgttgt gagcctggct gtctgcttgg      180
42 acccagaggt ttcgtctgcc agggtttttg gttgtattta ggatttcagg gaaaagtgtc      240
44 caagctttca gtgttggagc aggtatggac gacaaaggcg acccgagcaa tgaggaggca      300
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54 ctggaggatt ctggtgagcc cacgtcctgc cccgccacag acgccgagac agcctccgag      600
56 ggcagcgtgg aaagcgcttc tgagaccaga agcgccccc agtctgcttc cacagctgtg      660
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66 ctgcccagta agcaggagcc cgagaacgat caggggggtg tgtcccaggc tgggaaagat      960
68 gacagagaga gtaagttgga gggaaaaggcg gctcaggaca tcaaagatga ggagcctgga      1020
70 gacttggggc gaccgaagcc tgaatgtgag ggttacgacc ccaacgccct gtattgcatt      1080
72 tgccgccagc ctcacaacaa caggtttatg atttgctgtg accgctgtga agaattggttt      1140
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86 tgcagtaatg actgtatcct caaacacgcc gcagcgacaa tgaagtttct aagctcaggt 1560
88 aaagaacaga agccaaagcc taaagaaaag atgaagatga agccagagaa gccagctctt 1620
90 ccgaaatgct gtgtcaggc aggtattaaa atctcttctg tgcacaagag accagctcca 1680
92 gaaaaaaaaa agaccacagt gaagaaggca gtggtggtcc ctgcgcggag tgaagcactc 1740
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126 <211> LENGTH: 2867
127 <212> TYPE: DNA
128 <213> ORGANISM: Murine spp.
130 <400> SEQUENCE: 2
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135 actgacaaca gtggggtgag gcttggccgt ctgcttgacc tggccccagg tctataattt 180
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167 cgggtgtgag agtggttcca tgggtgactgt gtgggtattt ctgaggcccc agggcggtc 1140
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177 cctgtcgtag aggctcctgg tgctcctaaa tgcattggcc ctgggtgttc cagtgtagca 1440
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185 cacaagagac tagcgtcaga gaaaaggga aacccagtga agaaagtgat gctggcttcc 1680
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223 ggggtgtgaac tcagagtgtt ggaccagcag tctaccagct gagctgcagt tctagccatg 2820
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228 <210> SEQ ID NO: 3

229 <211> LENGTH: 562

230 <212> TYPE: PRT

231 <213> ORGANISM: Homo sapiens

233 <400> SEQUENCE: 3

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239 Lys Pro Thr Ser Lys Glu Phe Arg Lys Thr Trp Gly Phe Arg Thr
240 20 25 30
243 Thr Ile Ala Lys Arg Glu Gly Ala Gly Asp Ala Glu Ala Asp Pro Leu
244 35 40 45
247 Glu Pro Pro Pro Pro Gln Gln Gln Leu Gly Leu Ser Leu Arg Arg Ser
248 50 55 60
251 Gly Arg Gln Pro Lys Arg Thr Glu Arg Val Glu Gln Phe Leu Thr Ile
252 65 70 75 80
255 Ala Arg Arg Arg Gly Arg Arg Ser Met Pro Val Ser Leu Glu Asp Ser
256 85 90 95
259 Gly Glu Pro Thr Ser Cys Pro Ala Thr Asp Ala Glu Thr Ala Ser Glu
260 100 105 110
263 Gly Ser Val Glu Ser Ala Ser Glu Thr Arg Ser Gly Pro Gln Ser Ala
264 115 120 125

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271 Gly Asp Asp His Asp Asp Thr Ser Asp Ser Asp Ser Asp Gly Leu Thr
272 145      150      155      160
275 Leu Lys Glu Leu Gln Asn Arg Leu Arg Arg Lys Arg Glu Gln Glu Pro
276      165      170      175
279 Thr Glu Arg Pro Leu Lys Gly Ile Gln Ser Arg Leu Arg Lys Lys Arg
280      180      185      190
283 Arg Glu Glu Gly Pro Ala Glu Thr Val Gly Ser Glu Ala Ser Asp Thr
284      195      200      205
287 Val Glu Gly Val Leu Pro Ser Lys Gln Glu Pro Glu Asn Asp Gln Gly
288      210      215      220
291 Val Val Ser Gln Ala Gly Lys Asp Asp Arg Glu Ser Lys Leu Glu Gly
292 225      230      235      240
295 Lys Ala Ala Gln Asp Ile Lys Asp Glu Glu Pro Gly Asp Leu Gly Arg
296      245      250      255
299 Pro Lys Pro Glu Cys Glu Gly Tyr Asp Pro Asn Ala Leu Tyr Cys Ile
300      260      265      270
303 Cys Arg Gln Pro His Asn Asn Arg Phe Met Ile Cys Cys Asp Arg Cys
304      275      280      285
307 Glu Glu Trp Phe His Gly Asp Cys Val Gly Ile Ser Glu Ala Arg Gly
308      290      295      300
311 Arg Leu Leu Glu Arg Asn Gly Glu Asp Tyr Ile Cys Pro Asn Cys Thr
312 305      310      315      320
315 Ile Leu Gln Val Gln Asp Glu Thr His Ser Glu Thr Ala Asp Gln Gln
316      325      330      335
319 Glu Ala Lys Trp Arg Pro Gly Asp Ala Asp Gly Thr Asp Cys Thr Ser
320      340      345      350
323 Ile Gly Thr Ile Glu Gln Lys Ser Ser Glu Asp Gln Gly Ile Lys Gly
324      355      360      365
327 Arg Ile Glu Lys Ala Ala Asn Pro Ser Gly Lys Lys Lys Leu Lys Ile
328      370      375      380
331 Phe Gln Pro Val Ile Glu Ala Pro Gly Ala Ser Lys Cys Ile Gly Pro
332 385      390      395      400
335 Gly Cys Cys His Val Ala Gln Pro Asp Ser Val Tyr Cys Ser Asn Asp
336      405      410      415
339 Cys Ile Leu Lys His Ala Ala Ala Thr Met Lys Phe Leu Ser Ser Gly
340      420      425      430
343 Lys Glu Gln Lys Pro Lys Pro Lys Glu Lys Met Lys Met Lys Pro Glu
344      435      440      445
347 Lys Pro Ser Leu Pro Lys Cys Gly Ala Gln Ala Gly Ile Lys Ile Ser
348      450      455      460
351 Ser Val His Lys Arg Pro Ala Pro Glu Lys Lys Glu Thr Thr Val Lys
352 465      470      475      480
355 Lys Ala Val Val Val Pro Ala Arg Ser Glu Ala Leu Gly Lys Glu Ala
356      485      490      495
359 Ala Cys Glu Ser Ser Thr Pro Ser Trp Ala Ser Asp His Asn Tyr Asn
360      500      505      510
363 Ala Val Lys Pro Glu Lys Thr Ala Ala Pro Ser Pro Ser Leu Leu Tyr

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364          515          520          525
367 Lys Cys Met Tyr His Leu Gly Val Gly Leu Leu Asp Pro Ser Arg Ser
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372 545          550          555          560
375 Leu Cys
379 <210> SEQ ID NO: 4
380 <211> LENGTH: 614
381 <212> TYPE: PRT
382 <213> ORGANISM: Murine spp.
384 <400> SEQUENCE: 4
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390 Lys Pro Thr Ser Lys Glu Phe Arg Lys Thr Trp Gly Phe Arg Arg Thr
391          20          25          30
394 Thr Ile Ala Lys Arg Glu Gly Ala Gly Asp Thr Glu Ala Asp Pro Ser
395          35          40          45
398 Glu Gln Gln Pro Gln Gln His Asn Leu Ser Leu Arg Arg Ser Gly Arg
399          50          55          60
402 Gln Pro Lys Arg Thr Glu Arg Val Glu Glu Phe Leu Thr Thr Val Arg
403 65          70          75          80
406 Arg Arg Gly Lys Lys Asn Val Pro Val Ser Leu Glu Asp Ser Ser Glu
407          85          90          95
410 Pro Thr Ser Ser Thr Val Thr Asp Val Glu Thr Ala Ser Glu Gly Ser
411          100         105         110
414 Val Glu Ser Ser Ser Glu Ile Arg Ser Gly Pro Val Ser Asp Ser Leu
415          115         120         125
418 Gly Lys Glu His Pro Ala Ser Ser Glu Lys Ala Lys Gly Gly Glu Glu
419          130         135         140
422 Glu Glu Asp Thr Ser Asp Ser Asp Ser Asp Gly Leu Thr Leu Lys Glu
423 145         150         155         160
426 Leu Gln Asn Arg Leu Arg Arg Lys Arg Glu Gln Glu Pro Val Glu Arg
427          165         170         175
430 Ser Leu Arg Gly Ser Gln Asn Arg Leu Arg Lys Lys Arg Arg Glu Glu
431          180         185         190
434 Asp Ser Ala Glu Thr Gly Ser Val Gln Ile Gly Ser Ala Glu Gln Asp
435          195         200         205
438 Arg Pro Leu Cys Lys Gln Glu Pro Glu Ala Ser Gln Gly Pro Val Ser
439          210         215         220
442 Gln Ser Glu Thr Asp Asp Ile Glu Asn Gln Leu Glu Gly Lys Ala Thr
443 225         230         235         240
446 Gln Gly Asn Thr Glu Glu Asn Pro Arg Glu Ala Gly Lys Pro Lys Pro
447          245         250         255
450 Glu Cys Glu Val Tyr Asp Pro Asn Ala Leu Tyr Cys Ile Cys Arg Gln
451          260         265         270
454 Pro His Asn Asn Arg Phe Met Ile Cys Cys Asp Arg Cys Glu Glu Trp
455          275         280         285
458 Phe His Gly Asp Cys Val Gly Ile Ser Glu Ala Arg Gly Arg Leu Leu
459          290         295         300

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VERIFICATION SUMMARY

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